

ROTARY ENCODER AND POSITION ADJUSTER THEREFOR

ABSTRACT OF THE DISCLOSURE

5 A rotary encoder has a disc, a pair of photo-interrupters, an adjusting member, and a shifting controller. The disc rotates around a rotating axis and has slits that are formed circumferentially at given intervals. Each of the photo-interrupters has a light-emitting device and a
10 photo-detecting device opposite one another, and generates two signals with a phase difference. Each photo-interrupter is pivotable around a pivot coaxial with the rotating axis, and is arranged along the circumferential direction of the disc so as to position the slits between the light-emitting device and the
15 photo-detector. The adjusting member contacts the pair of photo-interrupters, and is movable along a shifting direction corresponding to a radial direction of the disc, so as to press the pair of photo-interrupters. The adjusting member adjusts a relative position-relationship between the pair of
20 photo-interrupters associated with the phase difference. The shifting controller shifts the adjusting member along the shifting direction to set the phase difference to a predetermined phase difference.